

9 18 27 36 45 54
 5' NGA ACT CTA ATA CGA GCA CTA TAG GGA AAG CTG GTA GCC TGC AGG TAC CGG TCC

63 72 81 90 99 108
 GGA ATT CCC GGG TCG ACC CAC GCG TCC GCC GTG CCC TTG GGG CTC CGT GTC CTG

117 126 135 144 153 162
 CTG TCT TTC CGT CCG CTG CCT AGT CTG CAT CTG AGT AAC ATG GCG GCG GCG GCG
 M A A A A

171 180 189 198 207 216
 GTA GCC AGG CTG TGG TGG CGC GGG ATC TTG GGG GCC TCG GCG CTG ACC AGG GGG
 V A R L W W R G I L G A S A L T R G

225 234 243 252 261 270
 ACT GGG CGA CCC TCC GTT CTG TTG CTG CCG GTG AGG CGG GAG AGC GCC GGG GCC
 T G R P S V L L L P V R R E S A G A

279 288 297 306 315 324
 GAC ACG CGC CCC ACT GTC AGA CCA CGG AAT GAT GTG GCC CAC AAG CAG CTC TCA
 D T R P T V R P R N D V A H K Q L S

333 342 351 360 369 378
 GCT TTT GGA GAG TAT GTG GCT GAA ATC TTG CCC AAG TAT GTC CAA CAA GTT CAG
 A F G E Y V A E I L P K Y V Q Q V Q

387 396 405 414 423 432
 GTG TCC TGC TTC AAT GAG TTA GAG GTC TGT ATC CAT CCT GAT GGC GTC ATC CCA
 V S C F N E L E V C I H P D G V I P

441 450 459 468 477 486
 GTG CTG ACT TTC CTC AGG GAT CAC ACC AAT GCA CAG TTC AAA TCT CTG GTT GAC
 V L T F L R D H T N A Q F K S L V D

495 504 513 522 531 540
 TTG ACA GCA GTG GAC GTC CCA ACT CGG CAA AAC CGT TTT GAG ATT GTC TAC AAC
 L T A V D V F T R Q N R F E I V Y N

549 558 567 576 585 594
 CTG TTG TCT CTG CGC TTC AAC TCA CGG ATC CGT GTG AAG ACC TAC ACA GAT GAG
 L L S L R F W S R I R V K T Y T D E

FIGURE 1A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

CTG	ACG	603	CTG	ACG	612	CTG	ACG	621	CTG	ACG	630	CTG	ACG	639	CTG	ACG	648
L	T	P	I	E	S	A	V	S	V	F	K	A	A	N	W	Y	E
AGG	GAG	657	AGG	GAG	666	AGG	GAG	675	AGG	GAG	684	AGG	GAG	693	AGG	GAG	702
R	E	I	W	D	M	F	G	V	F	F	A	N	H	P	D	L	R
AGG	ATC	711	AGG	ATC	720	AGG	ATC	729	AGG	ATC	738	AGG	ATC	747	AGG	ATC	756
R	I	L	T	D	Y	G	F	E	G	H	P	F	R	K	D	F	P
CTA	TCT	765	CTA	TCT	774	CTA	TCT	783	CTA	TCT	792	CTA	TCT	801	CTA	TCT	810
L	S	G	Y	V	E	L	R	Y	D	D	E	V	K	R	V	V	A
GAG	CCG	819	GAG	CCG	828	GAG	CCG	837	GAG	CCG	846	GAG	CCG	855	GAG	CCG	864
E	P	V	E	L	A	Q	E	F	R	K	F	D	L	N	S	P	W
GAG	GCT	873	GAG	GCT	882	GAG	GCT	891	GAG	GCT	900	GAG	GCT	909	GAG	GCT	918
E	A	F	P	V	Y	R	Q	P	P	E	S	L	K	L	E	A	G
GAC	AAG	927	GAC	AAG	936	GAC	AAG	945	GAC	AAG	954	GAC	AAG	963	GAC	AAG	972
D	K	K	P	D	A	K											
CGC	CTT	981	CGC	CTT	990	CGC	CTT	999	CGC	CTT	1008	CGC	CTT	1017	CGC	CTT	
ATC	TAT	GAT	TGA	GTG	TCC	GTG	TAA	ATA	AAT	TCC	TAC	TTA	GAC	TTA	C	3'	

FIGURE 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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          9           18           27           36           45           54
5' NCC AAG ATG TCG TTC CCA AAG TAT AAG CCG TCG AGC CTG CGC ACT CTG CCT GAG
      M   S   F   P   K   Y   K   P   S   S   L   R   T   L   P   E

          63           72           81           90           99           108
ACC CTC GAC CCA GCC GAA TAC AAC ATA TCT CCG GAA ACC CGG CGG GCG CAA GCG
T   L   D   P   A   E   Y   N   I   S   P   E   T   R   R   A   Q   A

          117          126          135          144          153          162
GAG CGG TTG GCC ATA AGA GCC CAG CTG AAA CGA GAG TAC CTG CTT CAG TAC AAC
E   R   L   A   I   R   A   Q   L   K   R   E   Y   L   L   Q   Y   N

          171          180          189          198          207          216
GAT CCC AAC CGC CGA GGG CTC ATC GAA AAT CCT GCC TTG CTT CGT TGG GCC TAT
D   P   N   R   R   G   L   I   E   N   P   A   L   L   R   W   A   Y

          225          234          243          252          261          270
GCA AGA ACA ATA AAT GTC TAT CCT AAT TTC AGA CCC ACT CCT AAA AAC TCA CTC
A   R   T   I   N   V   Y   P   N   F   R   P   T   P   K   N   S   L

          279          288          297          306          315          324
ATG GGA GCT CTG TGT GGA TTT GGG CCC CTC ATC TTC ATT TAT TAT ATT ATC AAA
M   G   A   L   C   G   F   G   P   L   I   F   I   Y   Y   I   I   K

          333          342          351          360          369          378
ACT GAG AGG GAT AGG AAA GAA AAA CTT ATC CAG GAA GGA AAA TTG GAT CGA ACA
T   E   R   D   R   K   E   K   L   I   Q   E   G   K   L   D   R   T

          387          396          405          414          423          432
TTT CAC CTC TCA TAT TAA GTC TGG CAA TGA TGA CTA TAT GTA TTC CTG CCT AAA
F   H   L   S   Y

          441          450
TAA ATC ATC TAT TAA TCA TT 3'

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FIGURE 2

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

	9				18				27				36				45				54			
5'	NNA	GCT	AGT	CGT	TCT	GAA	GCG	GCG	GCC	AGA	GAA	GAG	TCA	AGG	GCA	CGA	GCA	TCG						
	63				72				81				90				99				108			
	GCC	ATG	CCT	TTC	TTG	GAC	ATC	CAG	AAA	AGG	TTC	GGC	CTT	AAC	ATA	GAT	CGA	TGG						
	M	P	F	L	D	I	Q	K	R	F	G	L	N	I	D	R	W							
	117				126				135				144				153				162			
	TTG	ACA	ATC	CAG	AGT	GGT	GAA	CAG	CCC	TAC	AAG	ATG	GCT	GGT	CGA	TGC	CAT	GCT						
	L	T	I	Q	S	G	E	Q	P	Y	K	M	A	G	R	C	H	A						
	171				180				189				198				207				216			
	TTT	GAA	AAA	GAA	TGG	ATA	GAA	TGT	GCA	CAT	GGA	ATC	GGT	TAT	ACT	CGG	GCA	GAG						
	F	E	K	E	W	I	E	C	A	H	G	I	G	Y	T	R	A	E						
	225				234				243				252				261				270			
	AAA	GAG	TGC	AAG	ATA	GAA	TAT	GAT	GAT	TTC	GTA	GAG	TGT	TTG	CTT	CGG	CAG	AAA						
	K	E	C	K	I	E	Y	D	D	F	V	E	C	L	L	R	Q	K						
	279				288				297				306				315				324			
	ACG	ATG	AGA	CGT	GCA	GGT	ACC	ATC	AGG	AAG	CAG	CGG	GAT	AAG	CTG	ATA	AAG	GAA						
	T	M	R	R	A	G	T	I	R	K	Q	R	D	K	L	I	K	E						
	333				342				351				360				369				378			
	GGA	AAG	TAC	ACC	CCT	CCA	CCT	CAC	CAC	ATT	GGC	AAG	GGG	GAG	CCT	CGG	CCC	TGA						
	G	K	Y	T	P	P	P	H	H	I	G	K	G	E	P	R	P							
	387				396				405				414				423				432			
	ACA	GAG	CAG	CTG	CTG	ATG	TCT	GGA	GGC	TGA	TTT	TCC	TGT	TCT	CTG	TTC	TCC	ACT						
	441				450				459				468											
	GGA	AAG	GTT	GTT	TAC	GAC	AAA	CCT	CCT	TGT	CAA	AGT	GTG	T	3'									

FIGURE 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

9 18 27 36 45 54
 5' CGC AGA GGA GGA GGA GAA AGC TGA CCG CTT AGG CCC GGG TAG TGG TCG TCG TGG

 63 72 81 90 99 108
 TTT TCC TTG TAG TTC GTG GTC TGA GAC CAG GCC TCA AGT GGA AAC GGC GTC ACC

 117 126 135 144 153 162
 ATG ATC GCA CGG CGG AAC CCA GAA CCC TTA CGG TTT CTG CCG GAT GAG GCC CGG
 M I A R R N P E P L R F L P D E A R

 171 180 189 198 207 216
 AGC CTG CCC CCG CCC AAG CTG ACC GAC CCG CGG CTC CTC TAC ATC GGC TTC TTG
 S L P P P K L T D P R L L Y I G F L

 225 234 243 252 261 270
 GGC TAC TGC TCC GGC CTG ATT GAT AAC CTG ATC CGG CGG AGG CCG ATC GCG ACG
 G Y C S G L I D N L I R R R P I A T

 279 288 297 306 315 324
 GCT GGT TTG CAT CGC CAG NTT NTA TAT ATT ACG GCC TTT TTT TTT GCT GGA TAT
 A G L H R Q X X Y I T A F F F A G Y

 333 342 351 360 369 378
 TAT NTT GTA AAA CGT GAA GAC TAC CTG TAT GCT GTG AGG GAC CGT GAA ATG TTT
 Y X V K R E D Y L Y A V R D R E M F

 387 396 405 414 423 432
 GGA TAT ATG AAA TTA CAT CCA GAG GAT TTT CCT GAA GAA GAT AAG AAA ACA TAT
 G Y M K L H P E D F P E E D K K T Y

 441 450 459 468 477 486
 GGT GAA ATT TTT GAA AAA TTC CAT CCA ATA CGT TGA AGT CTT CAA AAT GCT TGC
 G E I F E K F H P I R

 495 504 513 522 531 540
 TCC AGT TTC ACT GAT ACC TGC TGT TTC TGA ATT TGA TGG AAC ATG TTT CTT ATG

 549 558 567 576
 ACA GTT GAA GCT TAT GCT AAT CTG TAT GTT GAC ACC 3'

FIGURE 4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

000000000000000000

1	M	S	F	P	K	Y	K	P	S	S	L	R	T	L	P	E	T	L	D	P	A	E	Y	N	I	S	P	E	T	R	R	A	Q	A	E	R	L	A	I	R	NDS-2		
1	M	S	F	P	K	Y	E	A	S	R	L	S	S	L	P	T	T	L	D	P	A	E	Y	D	I	S	S	E	T	R	K	A	Q	A	E	R	L	A	I	R	g114		
41	A	Q	L	K	R	E	Y	L	L	Q	Y	N	D	P	N	R	R	G	L	I	E	N	P	A	L	L	R	W	A	Y	A	R	T	I	N	V	Y	P	N	F	NDS-2		
41	S	R	L	K	R	E	Y	Q	L	Q	Y	Y	D	P	S	R	R	G	V	I	E	D	P	A	L	V	R	T	Y	A	R	S	A	N	I	Y	P	N	F	g114			
81	R	P	T	P	K	N	S	L	M	G	A	L	C	G	F	G	P	L	I	F	I	Y	Y	I	I	K	T	E	R	D	R	K	E	K	L	I	Q	E	G	K	NDS-2		
81	R	P	N	T	K	T	S	L	L	G	A	L	F	G	I	G	P	L	V	F	W	Y	Y	V	F	K	T	D	R	D	R	K	E	K	L	I	Q	E	G	K	g114		
121	L	D	R	T	F	H	L	S	Y																																		
121	L	D	R	T	F	N	I	S	Y																																		

FIGURE 6

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

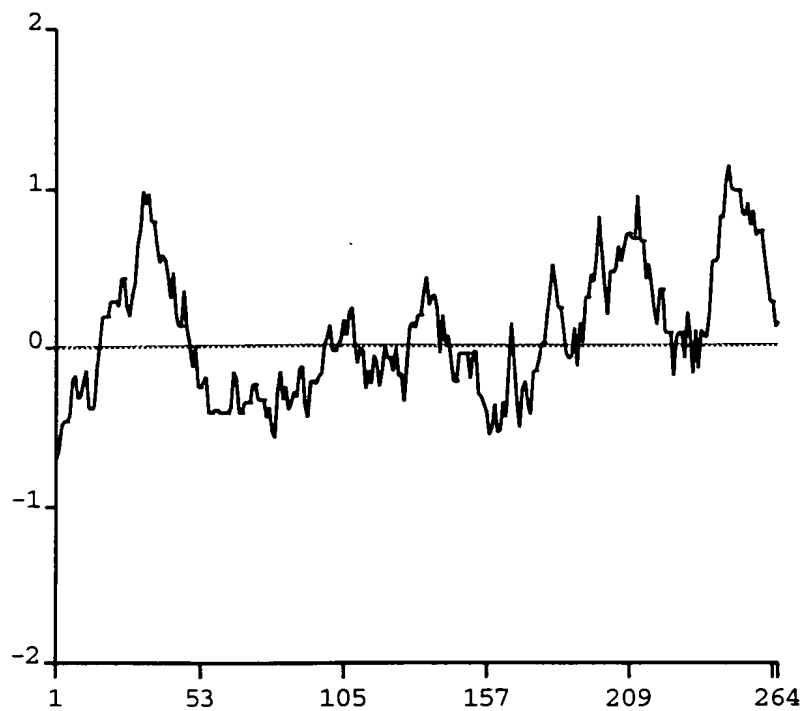


FIGURE 9A

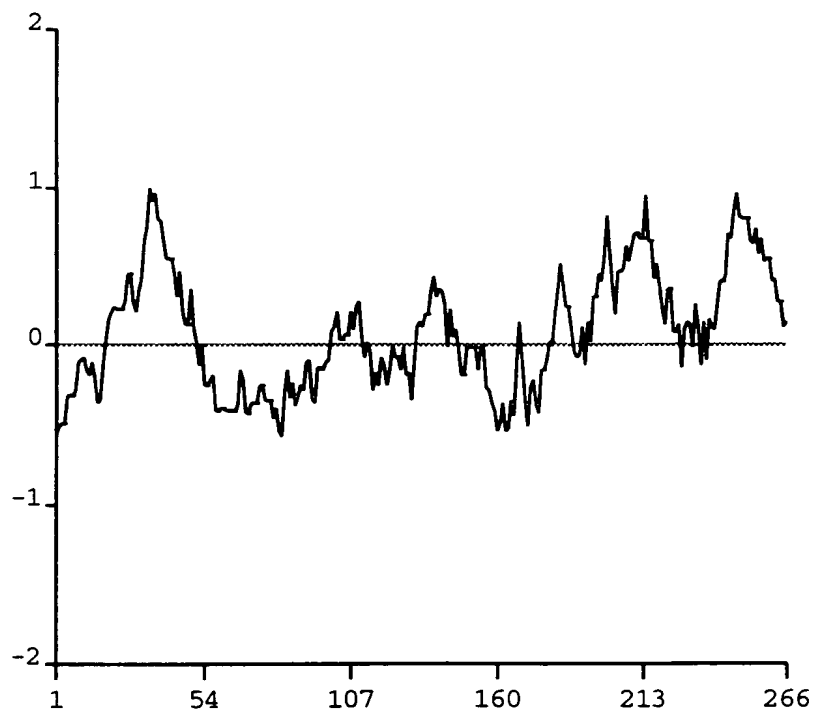


FIGURE 9B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

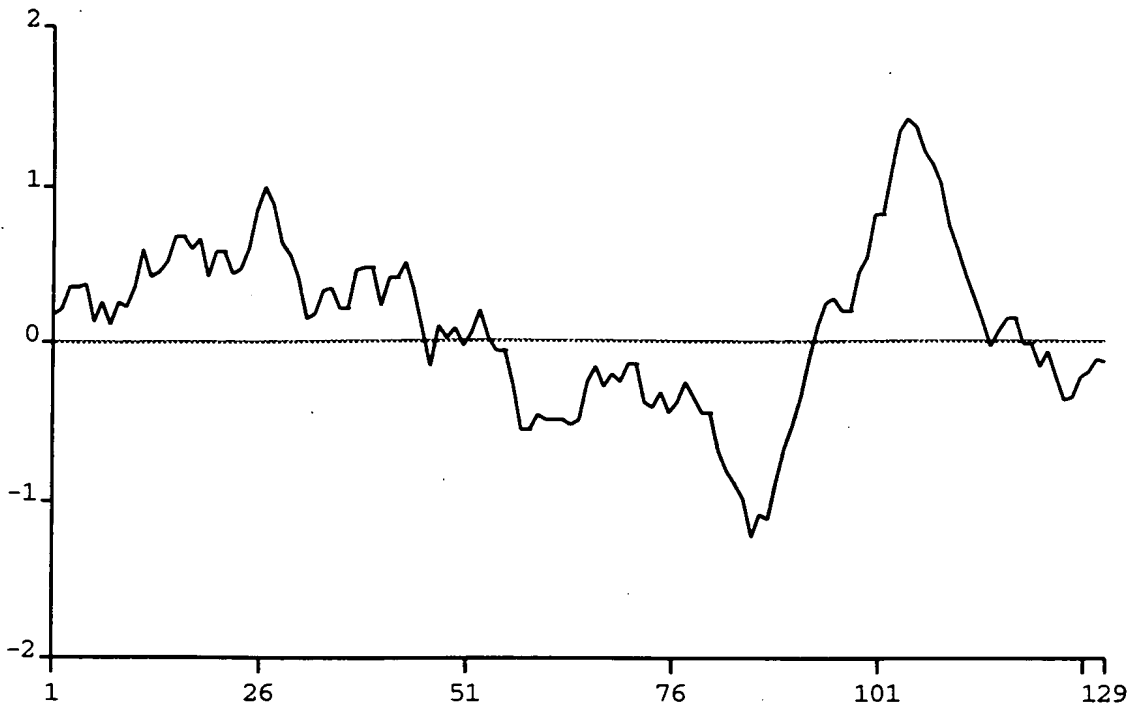


FIGURE 10A

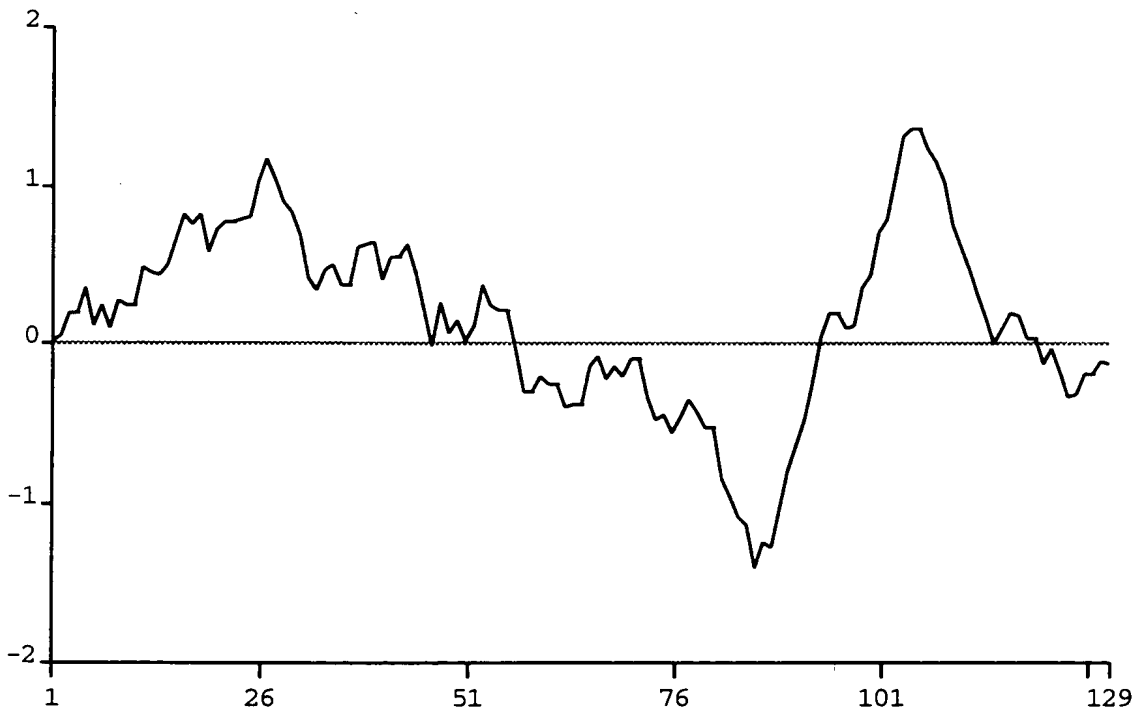


FIGURE 10B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

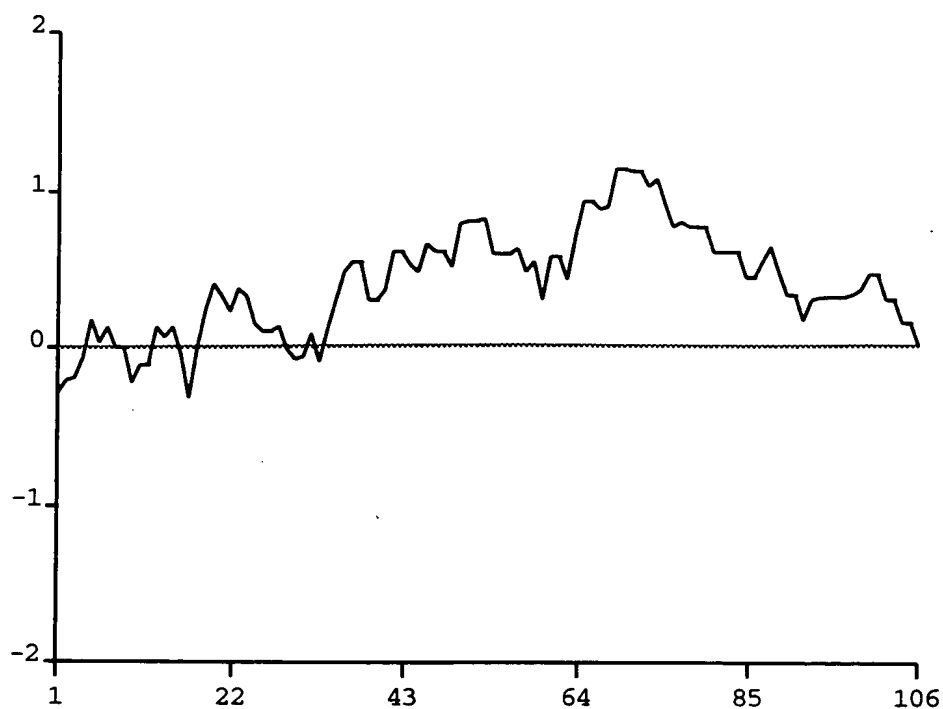


FIGURE 11A

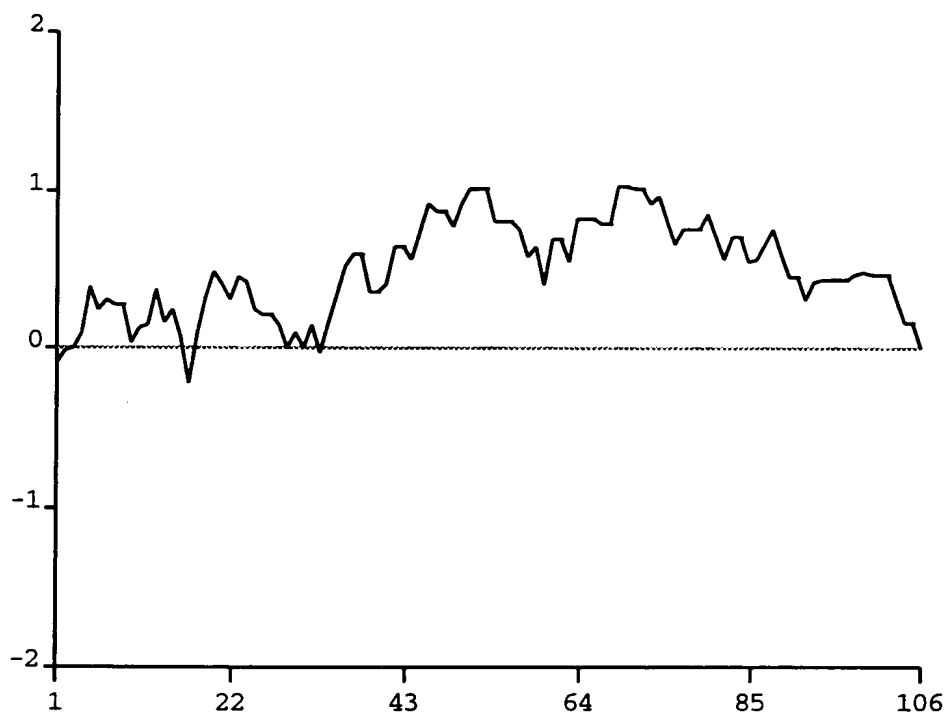


FIGURE 11B

